

Fig. 1

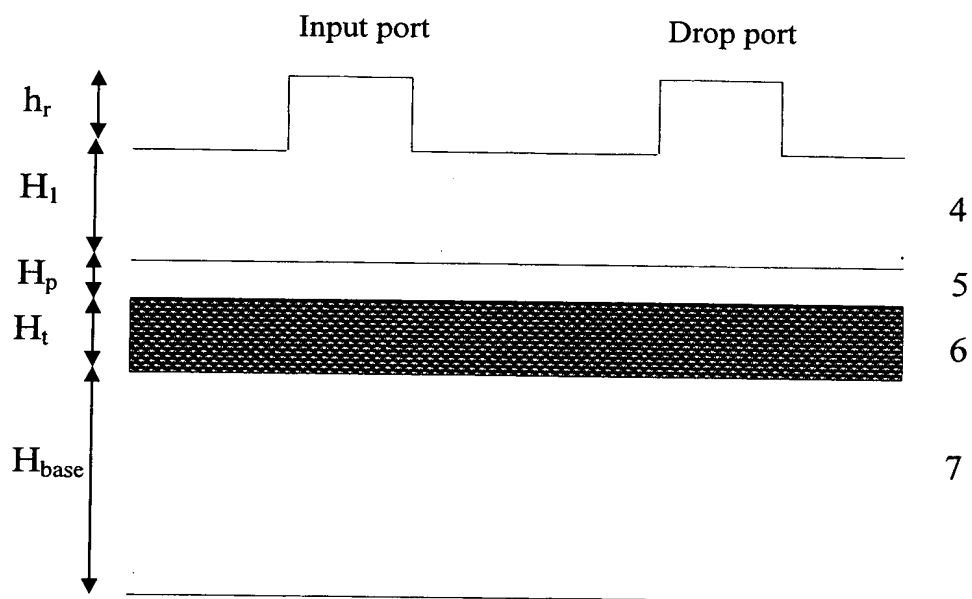


Fig. 2

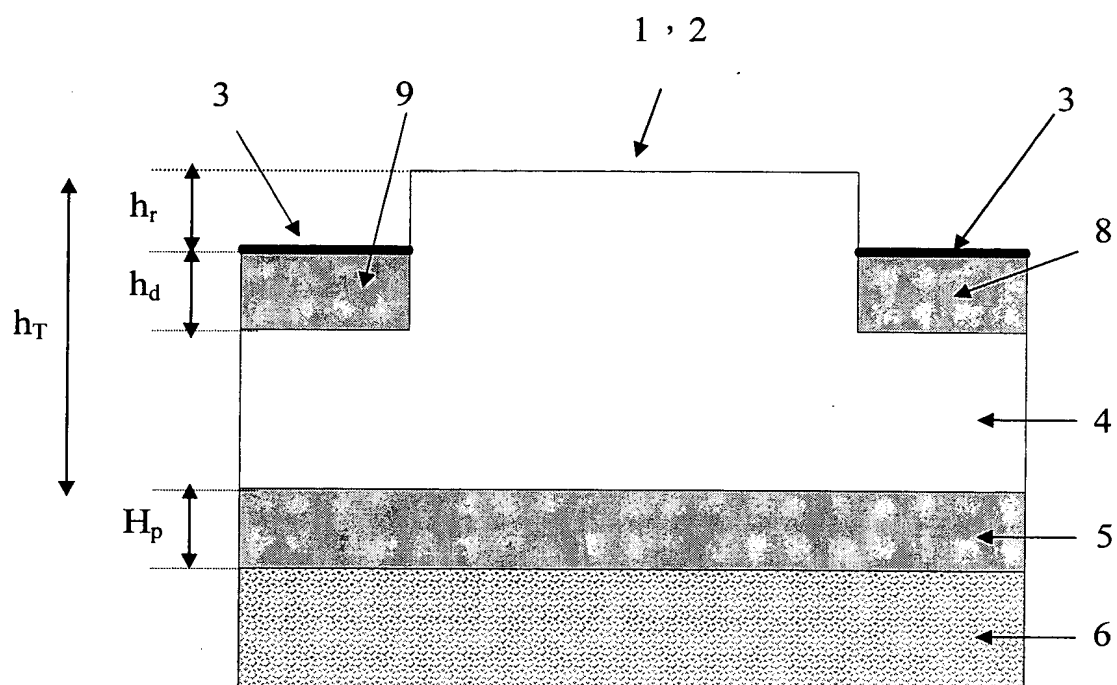


Fig. 3

Index change ( $\Delta n$ )

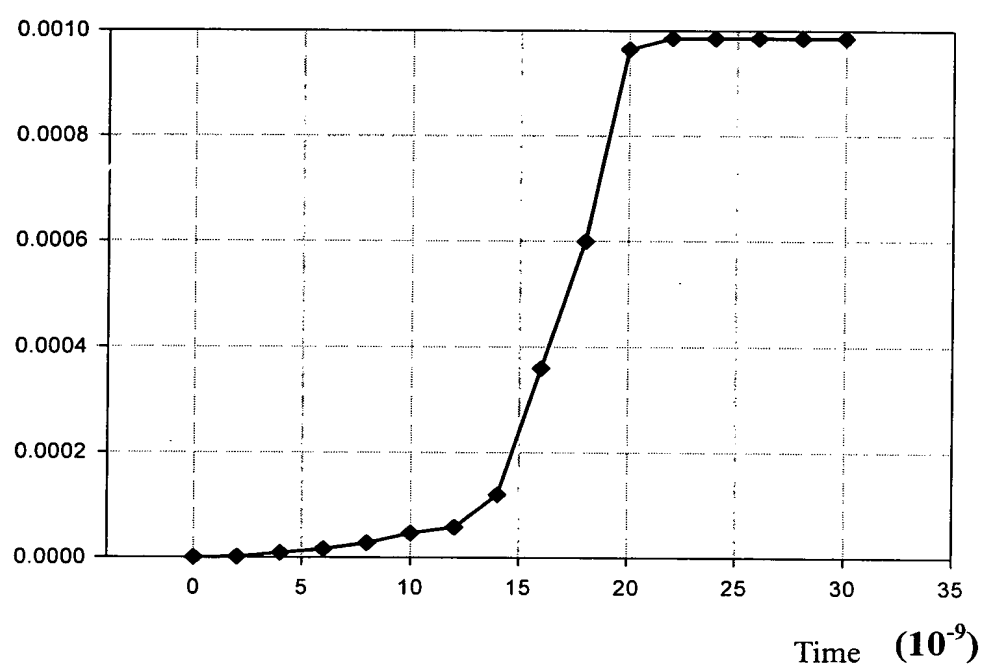


Fig. 4

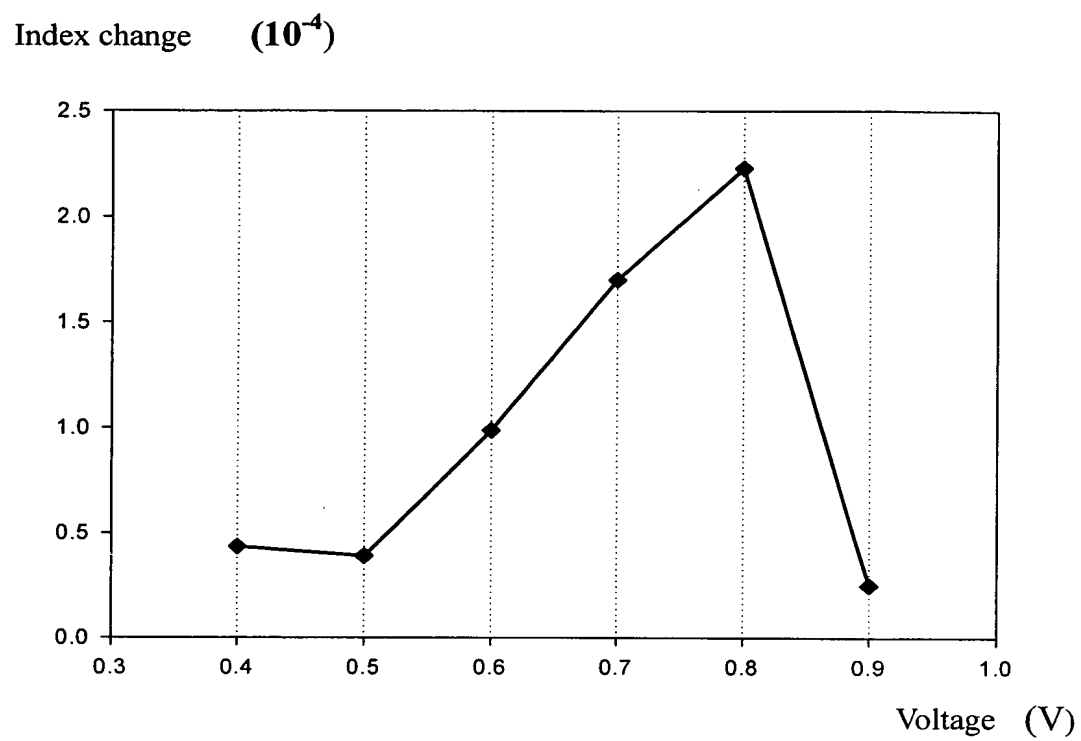


Fig. 5

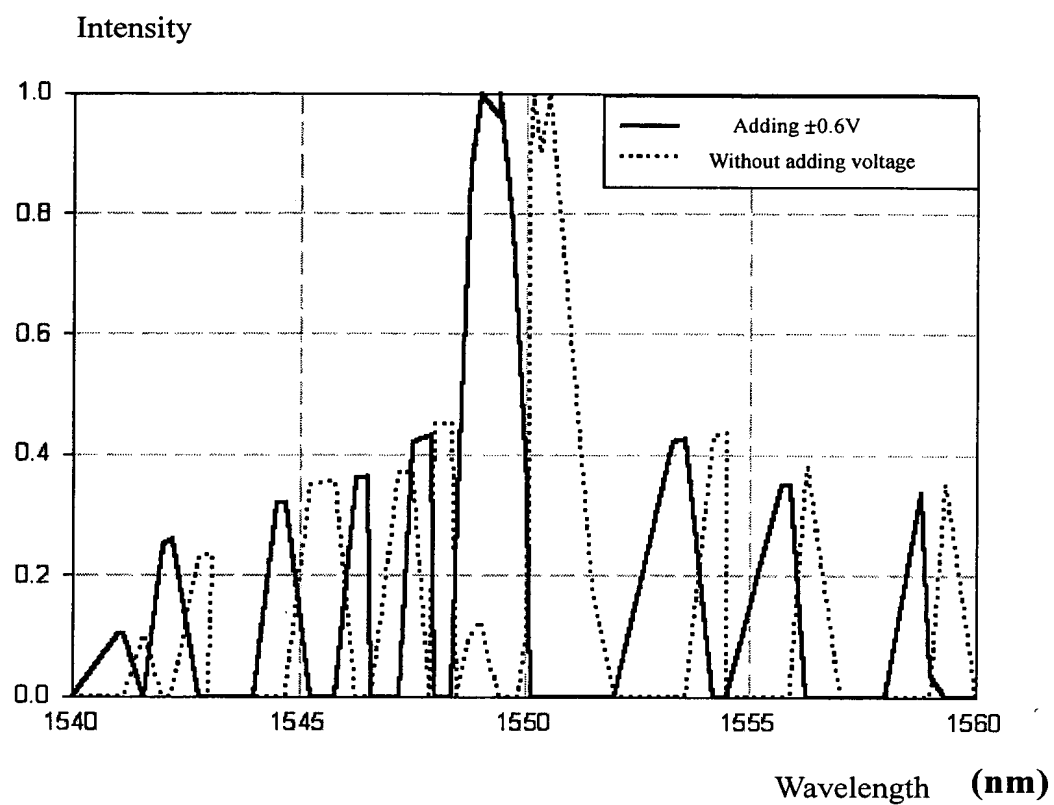


Fig. 6

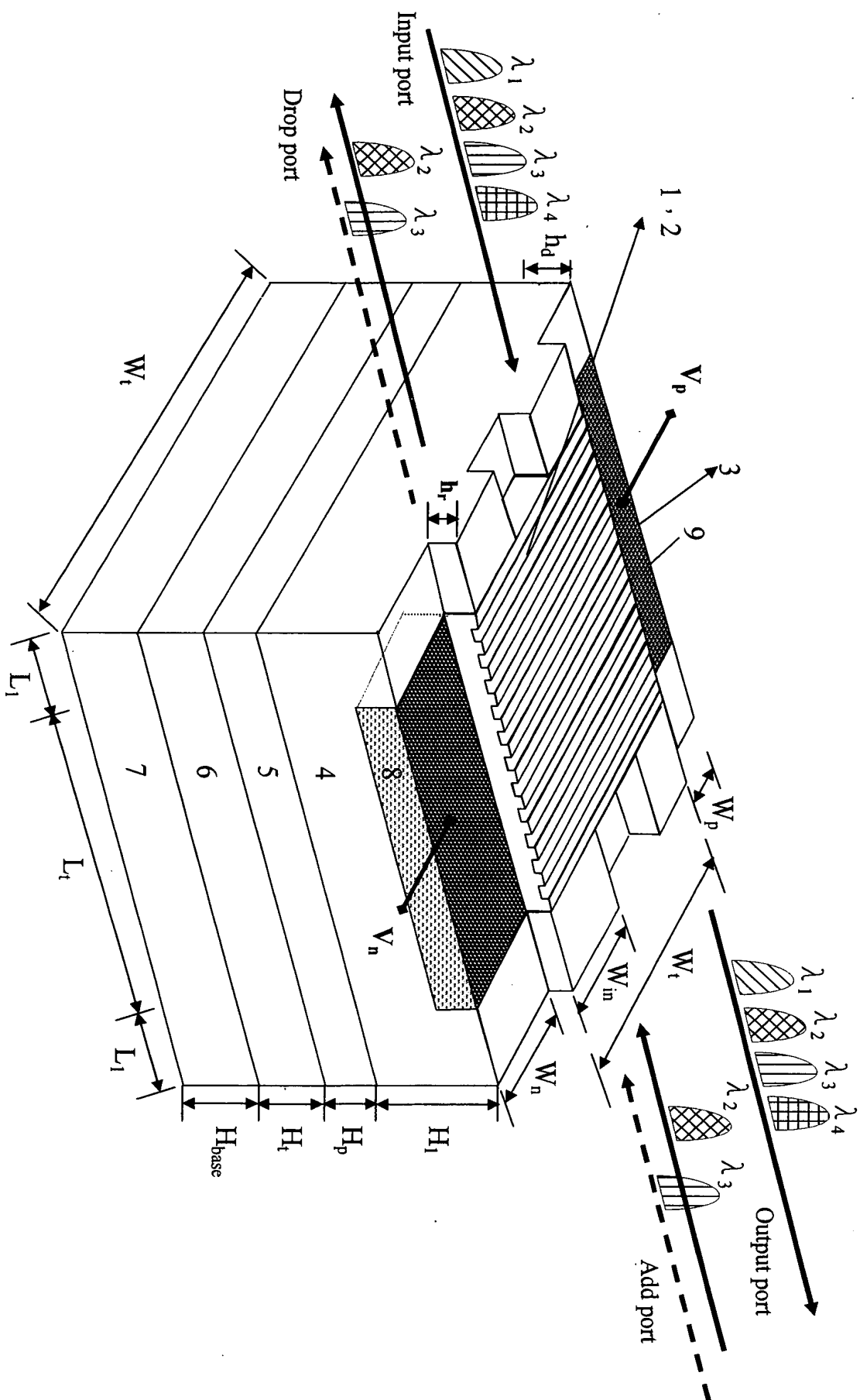


Fig. 7

$\longrightarrow$   $(V_n, V_p) = \lambda_2$  add/drop voltage for  $\lambda_2$   
 $\dashrightarrow$   $(V_n, V_p) = \lambda_3$  add/drop voltage for  $\lambda_3$

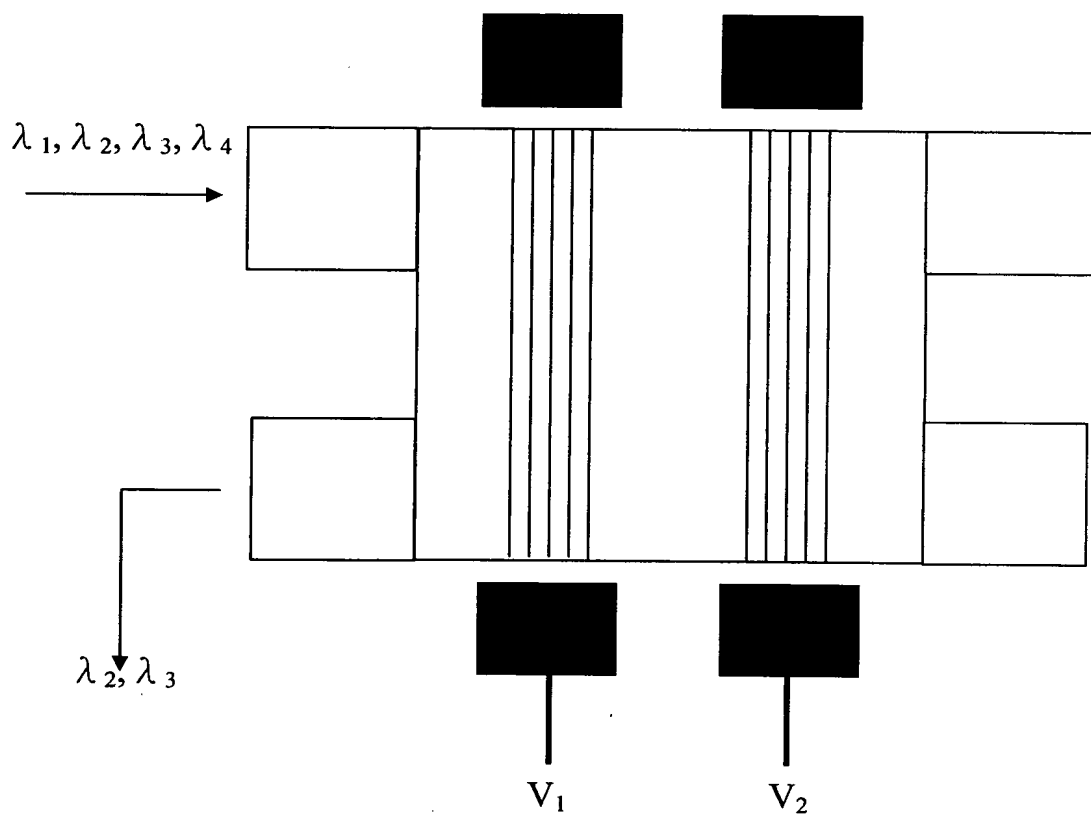


Fig. 8



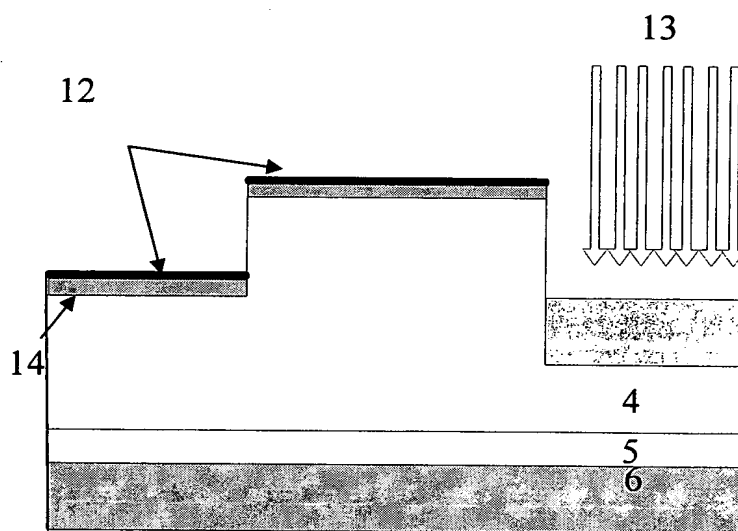


Fig. 9A

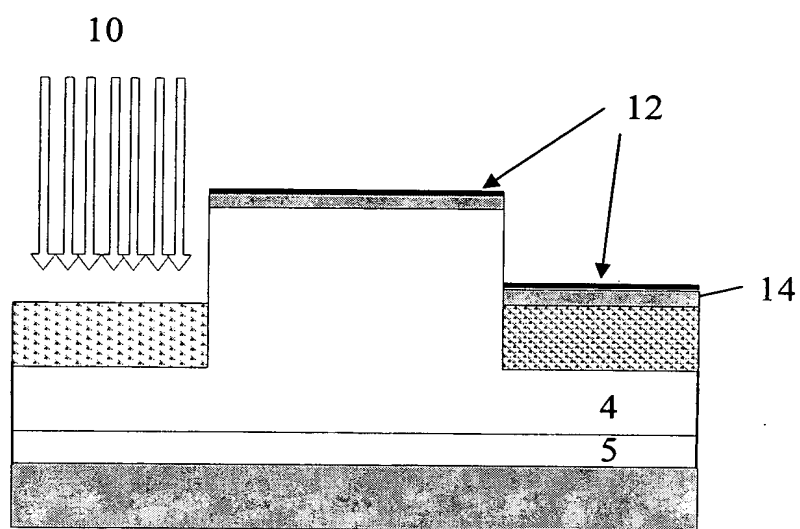


Fig. 9B

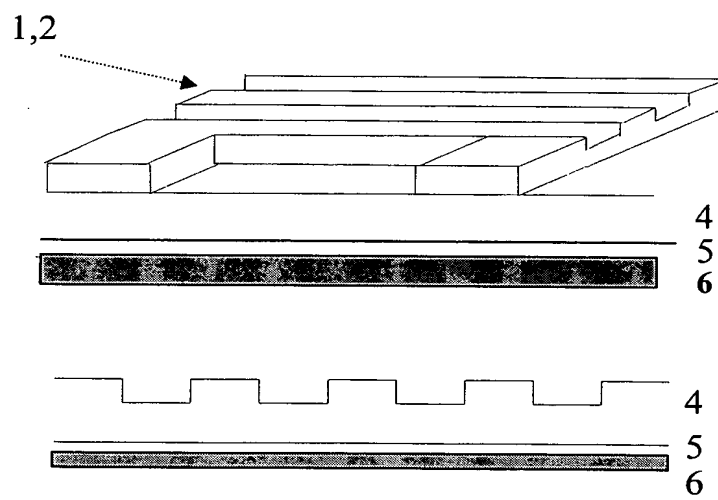


Fig. 9C

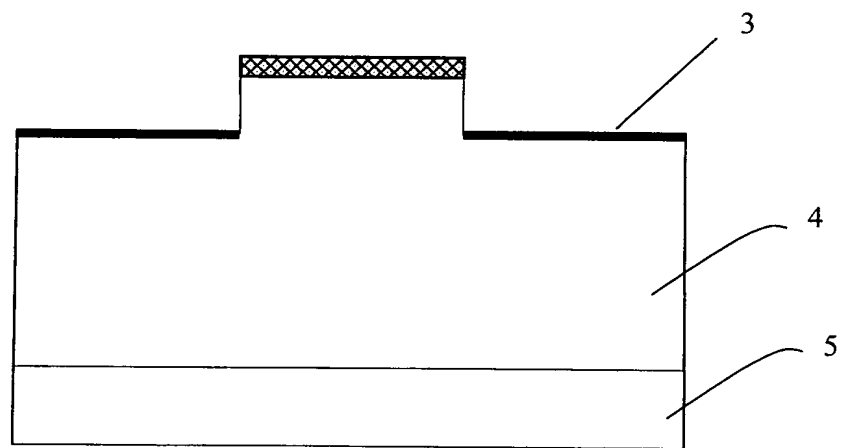


Fig. 9D

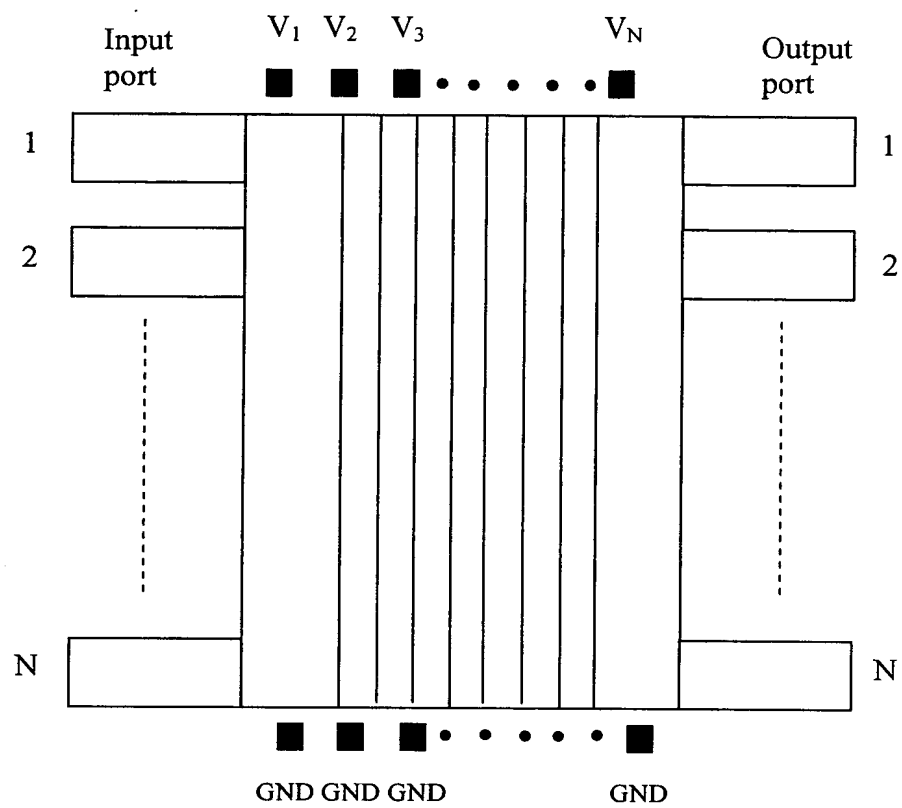


Fig.10

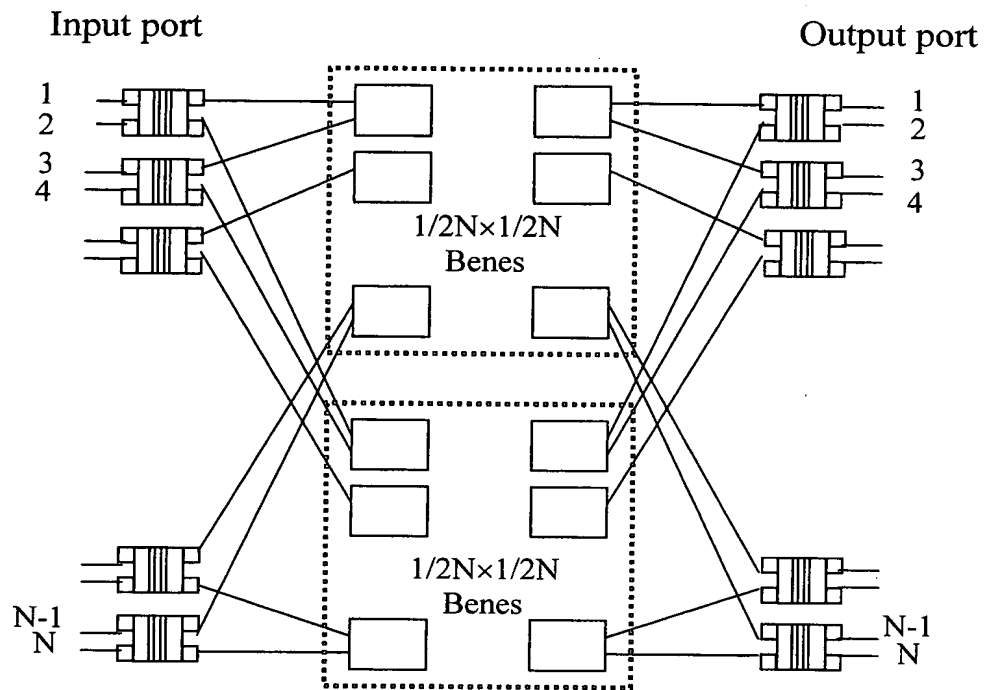


Fig. 11

Input port

Output port

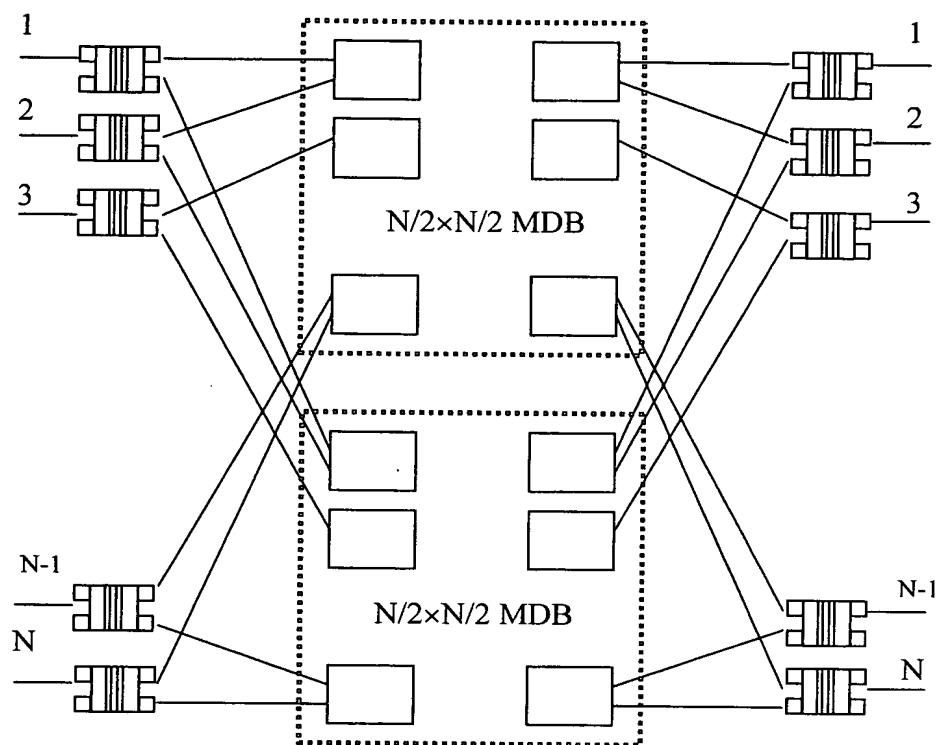


Fig.12